

TABLE 26

Federal obligations for basic research, by agency and performer: FY 2021

(Dollars in thousands)

Agency	Total	Intramural		Extramural				
		Federal agencies ^a	FFRDCs	United States and U.S. territories				Non-U.S. performers
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments	
All agencies	42,494,145	6,198,988	5,804,862	3,785,310	21,440,653	4,499,600	532,916	231,817
Departments								
Department of Agriculture	1,299,030	758,591	0	12,681	506,425	14,303	3,822	3,210
Agricultural Research Service	755,202	650,171	0	0	95,030	6,720	111	3,170
Animal and Plant Health Inspection Service	21,101	14,802	0	0	6,299	0	0	0
Forest Service	79,155	72,354	0	*	5,658	133	957	*
National Institute of Food and Agriculture	432,329	10,796	0	12,668	399,076	7,150	2,639	0
Natural Resources Conservation Service	11,244	10,469	0	0	360	300	115	0
Department of Commerce	277,665	259,019	0	5,579	9,784	2,925	0	359
National Institute of Standards and Technology	277,665	259,019	0	5,579	9,784	2,925	0	359
Department of Defense	2,834,851	482,933	76,067	531,657	1,595,541	92,813	761	55,079
Defense Advanced Research Projects Agency	509,680	17,454	24,735	140,130	273,850	42,355	0	11,156
Defense Health Agency	17,921	6,853	360	6,098	1,928	2,682	0	0
Department of the Air Force	703,068	56,858	2,156	74,398	542,531	3,855	0	23,270
Department of the Army	541,892	181,344	29,889	71,810	240,097	12,463	0	6,290
Department of the Navy	630,694	188,937	315	32,893	382,485	13,874	761	11,429
Space Force	98,285	8,643	7,892	75,591	6,160	0	0	0
Other defense agencies	333,311	22,844	10,721	130,738	148,490	17,584	0	2,934
Department of Education	29,730	0	0	484	23,533	5,022	692	0
Department of Energy	5,500,144	215,968	4,000,694	329,247	895,706	30,026	28,314	189
Electricity Delivery and Energy Reliability	12,542	287	9,026	1,454	860	877	*	0
Fossil Energy	1,701	0	0	0	1,701	0	0	0
National Nuclear Security Administration	122,721	0	109,274	3,203	10,244	0	0	0
Office of Defense Nuclear Nonproliferation	122,721	0	109,274	3,203	10,244	0	0	0
Office of Cybersecurity, Energy Security, and Emergency Response	1,731	1,531	200	0	0	0	0	0
Office of Science	5,361,449	214,150	3,882,194	324,591	882,901	29,149	28,275	189
Department of Health and Human Services	21,508,382	3,152,398	378,690	1,318,860	12,528,168	3,512,332	479,271	138,661
Centers for Disease Control and Prevention	89,306	27,193	0	2,604	35,198	9,599	14,712	0
Centers for Medicare and Medicaid Services	420,703	0	0	11,531	1,160	6,693	401,319	0
Health Resources and Services Administration	3,399	2,832	0	567	0	0	0	0
National Institutes of Health	20,994,974	3,122,373	378,690	1,304,158	12,491,810	3,496,040	63,241	138,661

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Department of Homeland Security	50,791	10,648	0	22,980	16,824	0	0	340
Countering Weapons of Mass Destruction Office	6,025	0	0	500	5,525	0	0	0
Science and Technology Directorate	44,766	10,648	0	22,480	11,299	0	0	340
Department of the Interior	86,089	78,249	0	454	5,094	1,064	1,229	0
Bureau of Land Management	237	86	0	0	*	140	0	0
Bureau of Safety and Environmental Enforcement	1,530	128	0	277	864	261	0	0
Geological Survey	84,322	78,035	0	177	4,219	663	1,229	0
Department of Justice	8,401	4,816	0	0	1,586	2,000	0	0
Office of Justice Programs	8,401	4,816	0	0	1,586	2,000	0	0
Department of State	4,000	4,000	0	0	0	0	0	0
Department of Transportation	2,072	1,119	0	953	0	0	0	0
Federal Motor Carrier Safety Administration	893	*	0	868	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	1,179	1,094	0	85	0	0	0	0
Department of the Treasury	5,264	0	2,800	0	0	0	0	2,464
Bureau of Engraving and Printing	5,264	0	2,800	0	0	0	0	2,464
Department of Veterans Affairs	624,980	624,980	0	0	0	0	0	0
Other agencies								
National Aeronautics and Space Administration	4,429,290	536,127	1,048,160	1,259,864	973,267	597,033	2,443	12,397
National Science Foundation	5,770,954	7,640	298,451	302,550	4,884,726	242,084	16,384	19,119
Smithsonian Institution	62,500	62,500	0	0	0	0	0	0

* = amount greater than \$0 but less than \$50,000.

FFRDC = federally funded research and development center.

^a Federal agencies' activities cover costs associated with the administration of federal R&D performance and R&D procurements from nonfederal performers by federal personnel, transfers of funds to other federal agencies for purposes related to R&D, and actual federal performance.^b Higher education includes both public and private institutions as well as University Affiliated Research Centers.**Note(s):**

Because of rounding, detail may not add to total. As of volume 71 (FYs 2021–22), FFRDCs are classified as intramural R&D performers, whereas they were extramural in previous volumes; therefore, data are not directly comparable across volumes. Past years in the trend tables have been adjusted to reflect the current classification of FFRDCs. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2021 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021–22.